1989 ANNUAL INDEX

Author Index

A

Abraham, Kurian P., May 311
Albers, Ann C., May 327
Albrecht, Christal M., Mar 187
Alford, Marsha, Jan 32
Allston, Carole A., May 342 (Letter)
Alpaugh, Kathy, Oct 682
Appleman, Maria D., Sept 623
Athar, Mohammed A., May 315
Athari, Freydoon, Oct 685

B

Bachner, Paul, Mar 161
Baer, Daniel M., Dec 836
Ballas, Samir K., Nov 763
Barlow, James G., Mar 183
Barnes, Randell B., Oct 701
Barnett, Roy N., June 385
Barry, Patricia L., Apr 241, June 377
Bates, R. Cory, Jan 28
Becan-McBride, Kathleen, Feb 116, Oct 714 (Letter)
Benedett, Coleen T., Sept 620
Bessman, David, July 520 (Letter)
Blackerby, Bobbie, Feb 106
Blansit, Bryant Douglas, Sept 639
Boger, J. Neil, Nov 772
Boos, Richard J., Oct 701
Brady, John Curtis, Feb 106
Braman, Ann Marie, Dec 831
Brumback, Roger A., Feb 113
Bryant, Barbara E., May 332, June 437
Bryant, L. Ray, Jr, July 519 (Letter)
Buchsbaum, Robert M., Aug 560
Buchsbaum, Virginia F., Aug 560
Burke, M. Desmond, Dec 827
Burns, Edward R., July 481
Burns, Terry R., Apr 251
Bush, Jack L., May 318
Bush, Stephen T., Dec 865 (Letter)

C

Cadoff, Evan M., Dec 843
Callender, Stephen C., Oct 705
Campbell, Joyce Atlee, Jan 15
Carey, Roberta B., Dec 863 (POL Forum)
Carey, R. Neill, June 375 (Editorial), 393, 400
Castleberry, Barbara M., May 332, June 437, July 500
Cembrowski, George S., June 375 (Editorial), 400, 406, 418, 428, Aug 551
Chamberlain, R. Thomas, July 477
Cherney, Paul J., July 500
Cho, Sechin, Nov 776
Chogyoji, Marilyn, Sept 623
Chu, Samuel Y., Feb 93, Sept 643 (Letter)
Churukian, Charles J., Mar 172
Clagg, M. Elizabeth, Apr 248, Dec 865 (Letter)
Clark, Jerrold A., Jan 40
Clover, Donna, July 491
Conrad, Christine M., Feb 109
Cook, C. Barrie, Oct 685
Cook, James F., Sept 620
Cooper, E. Shannon, July 519 (Letter)
Corliss, Jack W., May 311
Corriveau, Donna M., Jan 51 (POL Forum)
Cramer, Adelbert D., Sept 623
Crewson, Laurie, May 315
Crisan, Domnita, Dec 843

D

Davey, Richard, Mar 169
Davis, John M., Nov 759
Davis, Julie J.; Feb 113
De Cresce, Robert P., Jan 47, July 504, Dec 860
del Zoppo, Gregory J., Oct 673
Dent, Georgette A., Apr 258
Desjardins, Paul R. E., Feb 97
Deveney, Clifford D., Dec 836
Dill, Susan M., May 327
Dixon, Andrea, Oct 685
Doedens, David J., Jan 25
Douglas, Bryant, Sept 639
Douville, Pierre, June 406
Duffin, David, June 410
Durfee, Karen K., Nov 776

E

Eberiel, David T., Jan 19
Edney-Parker, Heather, Feb 93, Sept 643 (Letter)
Eggena, David W., Aug 569
Ehrmeyer, Sharon S., June 422, 428

F

Feeback, Daniel L., Feb 113
Filstein, Marc, Oct 682
Floyd, Craig, Oct 688
Flynn, John C., Jr, Nov 763
Fujii, Yukihiko, Sept 611
Fullenwider, John P., Mar 163

G

Gale, Stephen, Aug 581
Gambino, Raymond, Feb 123
Geier, Nancy A., Apr 254, Sept 643 (Letter)
Gile, Terry Jo, Apr 269 (POL Forum)
Gill, Thomas H., Dec 836
Giner, Juliette, Aug 567
Godyn, Janusz J., Oct 713 (Letter)
Goodheart, Tim, July 520 (Letter)
Graham, Mary L., Mar 169
Greenberg, Jonathan B., July 518 (Letter)

H

Hackney, James R., June 388, Aug 551
Hales, Susan C., July 484
Harrell, Lizzie J., July 491
Hassler, Deborah, Feb 125 (POL Forum), June 445 (POL Forum)
Hawkins, Edith P., Oct 688
Hawley, Dean A., Jan 25
Hayes-Sokolove, Christine, Sept 623
Headley, Diana, Feb 125 (POL Forum)
Held, Marilyn S., Apr 231
Helmuth, Robin A., Jan 25
Hendrix, Bonnie B., Dec 840
Hernandez, Lowella, Aug 567
Hinds, David B., Oct 688
Hixon, Deborah L., Sept 620
Holcomb, David, Feb 116
Holt, John A., Oct 701
Hoops, Harold J., Jan 53 (Letter)
Houlihan, Peter M., Apr 254, Sept 643 (Letter)
Houwen, Berend, June 410
Howrie, Denise L., Dec 843
Hubbard, Joel D., Dec 849
Hudson, M. Jane, Jan 44
Huhner, Darlene E., Feb 106
Hummer, Denise Anne, Oct 714 (Letter)

I

Irani, Mehraboon S., Apr 251

J

Jacobs, Ellis, Sept 628
James, Ann N., Mar 193
Jenkins, Jesse J., III, Mar 163

K

Kalache, Georges R., Sept 643 (Letter)
Kallick, Charles A., Aug 567
Kallo, Janet R., Oct 692
Kamel, Haney T., Nov 763
Kant, Jeffrey A., Aug 551
Kathpalia, Sashi B., Aug 567
Kauffman, Ellen M., Feb 109
Keel, Brooks A., Nov 776
Keffer, Joseph H., Dec 857
Kelly-Williams, Susan, July 487
Ketring, Judy L., Feb 113
Killian, Cynthia S., Feb 103
Kischer, C. Ward, Sept 637
Kock, Alisa E., Aug 569
Kocka, Frank E., Aug 567
Kolins, Mark D., Feb 100
Kuby, Alma M., May 332, June 437
Kuriyan, Mercy, May 324
Kurtycz, Daniel F., June 432

L

Laessig, Ronald H., June 422, 428
Lamb, Emmet J., Aug 572
Lapointe, Robert, Oct 713 (Letter)
Lee, Chul, Aug 564
Leroux, Michael L., Feb 97
Li, K. S., Nov 767
Li, Tung-Chia, Jan 22
Lifshitz, Mark S., Jan 47, July 503, Dec 860
Listinsky, Catherine M., Mar 172
Lofsness, Karen G., Apr 254, Sept 643 (Letter)
Long, John Michael, Feb 134 (Letter)
Lopez, Mae Kelm, Oct 714 (Letter)
Luebbert, Peggy Prinz, Oct 709 (POL Forum)
Lum, Gifford, Oct 696
Lusch, Charles, Oct 682
Lyle, Janice A., Sept 620

M

Mammen, Eberhard F., Sept 611
Manuselis, George, Mar 183
Marx, Alvin J., Nov 772
May, Michael E., July 506
McAlack, Rochelle W., Feb 133 (Letter)
McBride, Shamus, Mar 193 (Letter)
McCloskey, Donald W., Jan 25
McNett, Cherie L., June 445 (POL Forum)
McPherson, Richard A., Sept 617
Miller, Linda E., Mar 187
Miller, Sharon M., Nov 799 (POL Forum)
Mittleman, Roger E., Apr 233, May 299
Morales, Joseph, Mar 166
Moran, Miriam, Dec 865 (Letter)
Murphy, Betty R., Nov 772

N

Nart, Armando, Oct 688
Neibauer, Barbara C., July 496
Nelson, Janice M., Jan 37, Mar 166
Norberg, Linda, Jan 35

O

Owens, Michael R., Nov 772

P

Parham, David M., Mar 163
Park, Choong H., Sept 620
Park, Tong S., Sept 620
Parker, B. James, July 518 (Letter)
Parks, Brenda, July 491
Patrick, Carol C., June 418
Pearson, Ted A., Mar 163
Pindur, Jana, Sept 637
Podlasek, Stanley J., Sept 617
Prokopetz, Sandra, Apr 258
Prystowsky, Michael B., Aug 551
Pulliam, Lynn, Oct 692
Pulvirenti, Joseph, Aug 567

R

Radich, Paul C., May 318
Radosevich, James A., Aug 569
Reichenback, Tom, Mar 194 (Letter)
Ries, Junita Marie, Jan 35
Roberts, George H., Jan 32
Roberts, James C., Jr, July 518 (Letter)
Robinson, Philip G., Aug 569
Ross, Dennis W., Apr 258
Ross, Sherril L., Feb 134 (Letter)
Roush, Robert E., Feb 116
Rudmann, Sally V., Jan 28, Mar 183
Rutherford, Isobel, Jan 22

S

Sanford, Carolyn, Dec 855
Sarkozi, Laszlo, Sept 628
Savage, Richard A., Aug 556
Saxena, Sunita, Jan 37, Mar 166, Apr 264, Sept 623
Schumacher, Harold R., May 311
Schwartz, Kenneth A., Nov 759, Dec 831
Sears, Melanie M., Sept 643 (Letter)
Sentigar, Cynthia A., June 418
Shafer, A. William, July 520 (Letter)
Shapiro, Stanley H., July 494
Sharma, Hari M., Feb 109
Shaw, S. T., Jr, Apr 264
Sher, Paul Phillip, Jan 13 (Editorial)
Sheridan, Don, Sept 637
Shulman, Ira A., Jan 37, Mar 166, Apr 264
Simmons, Elizabeth, Apr 258
Simonis, Toni B., Mar 169
Singh, Jagjit, Dec 843
Smith, David E., Mar 193 (Letter)
Southerland, Arthur R., Jan 44
Steffy, David, Oct 682
Stein, Barbara L., Nov 772
Suarez-Hoyos, Jose V., Aug 560
Swaroop, Anand, May 305, Aug 581
Swiatlo, Andrea L., Aug 567
Sysko-Stein, Linda, Oct 682

T

Tacha, David, Jan 35
Thiemke, William A., Oct 696
Tomaszewski, John E., July 487
Travers, Henry, Feb 85, Sept 644 (Letter)
Tsang, Raymond S. W., Nov 767
Tunney, Pamela J., May 311

U

Ulirsch, Rudoff C., May 311

W

Walker, Annette, Dec 865 (Letter)
Waller, Kathy V., Mar 183
Walsh, Dennis M., Jan 19
Walsh, Thomas J., Feb 134 (Letter)
Ward, Kory M., Mar 183
Westgard, James O, Apr 241, June 377
Wetli, Charles V., Apr 233, May 299, Aug 545
Wheeler, Donald J., Dec 849
Wight, Carl J., May 327
Wilkes, Nina C., Jan 40
Wilkinson, David S., Oct 713 (Letter)
Williams, Roger A., Sept 644 (Letter)
Wilson, Peggy C., Mar 183
Winkelman, James W., Dec 855
Wong, Alice, Nov 767
Wong, Edward T., Apr 264, Sept 623
Wong, Georginie, Jan 53 (Letter)
Woodbury, Wayne F., Mar 176
Wootliff, Jack S., May 315
Wu, Tsai F., Aug 572

Y

Yaowairiwatt, Melissa, Jan 37

Z

Zmijewski, Chester M., July 487

Subject Index

A

Abbott IMx, new instrument review, Jan 47
Acquired immune deficiency syndrome (AIDS): AIDS and HIV infection, Mar 193 (Letter); exposure to needlestick injuries, Oct 709 (POL Forum); guidelines for prevention of transmission of human immunodeficiency virus and hepatitis B virus to health-care and public-safety workers, Nov 783; impact of AIDS on clinical laboratorians, Mar 187; laboratorians want "caution" labels on AIDS specimens, Dec 10; laboratory identification of *Rhodococcus equi* from a patient with AIDS, July 491; utilization of autologous and directed donations in university hospital, Nov 763; *See also Human immunodeficiency virus*
Activated partial thromboplastin time (aPTT): use of multirule control chart for quality control of PT and aPTT analyses, June 418; fatal ingestion of a brodifacoum-containing rodenticide, Jan 22
Aeromonas species: cadmium chloride susceptibility of *Campylobacter* spp and *Pseudomonas* and *Aeromonas* spp, May 315
A-gent LD-1: automated assay of LD-1, Aug 560
AIDS. *See Acquired immune deficiency syndrome*
Alanine aminotransferase (ALT): higher serum alanine aminotransferase: levels among Hispanics in a reference population, Apr 264; immediate alanine aminotransferase testing for donor screening: use of Reflotron on blood drives, Apr 251
Albumin: enzyme immunoassay for urinary albumin at low concentrations, Aug 564
Alpha-fetoprotein: calculation of alpha-fetoprotein multiple of the median for the detection of the neural tube defects in pregnancy, Sept 639; laboratory components of a maternal serum alpha-fetoprotein screening program, Nov 776
American Clinical Pathology Press: design for the future, Jan 13 (Editorial); photography competition, Oct 724; wages and vacancy survey of medical laboratory positions in 1988, Part I, May 332; wages and vacancy survey of medical laboratory positions in 1988, Part II, June 437
Anatomic pathology: optimal use of frozen section, Dec 836; quality assurance in, Feb 85, Sept 643 (Letter)
Antibodies: harvesting HLA antibodies from placentas, Mar 169; impact of AIDS on clinical laboratorians, Mar 187; influence of reagent red cell zygosity of anti-Fy^a detection, Jan 37; new lactate dehydrogenase-IgM complexes, Sept 617; prevalence of cytomegalovirus antibodies in blood donors, Feb 103
Anti-Fy^a: influence of reagent red cell zygosity of anti-Fy^a detection, Jan 37
Antithrombin III: hypercoagulable states, Sept 611; AU5000 DAU analyzers, new instrument preview, July 503
Autoantibodies: autoanti-jk^a associated with hemolysis after transfusion with jk(a+) red cells, Oct 682
Autopsy pathology: forensic pathology for hospital pathologists: Part I, Apr 233; forensic pathology for the hospital pathologist: Part II, May 299; quality assurance in anatomic pathology, Feb 85
Avidin-biotin complex: improved immunoperoxidase technique using horseradish peroxidase avidin D, Feb 109

B

BACTEC 660: detection of *Brucella* sp from blood and bone marrow, Aug 567
BACTEC radiometric system: for detection and rapid identification of mycobacteria, Oct 692
Beta-thromboglobulin (BTG): effect of acute exercise on in vivo platelet release of beta-thromboglobulin and platelet factor 4 in women, Jan 28
Biologic hazards: AIDS and HIV infection, Mar 193 (Letter); exposure to needlestick injuries, Oct 709 (POL Forum); guidelines for infection control and hazardous waste disposal, June 445 (POL Forum); hazardous isolates, Feb 133 (Letter); impact of AIDS on clinical laboratories, Mar 187; laboratorians want "caution" labels on AIDS specimens, Dec 855; sterilization of laboratory waste, Feb 134; training in the laboratory, Apr 269 (POL Forum)
Blood bank: appropriateness of blood product ordering, Jan 15; computer-assisted implementation of surgical blood order schedule, Jan 40; emergency blood transfusion protocols, Mar 166; higher serum alanine aminotransferase levels among Hispanics in a reference population, Apr 264; hospital collection of blood, July 518 (Letter); immediate alanine aminotransferase testing for donor or screening: use of Reflotron on blood drives, Apr 251; influence of reagent red cell zygosity of anti-Fy^a detection, Jan 37; posttransfusion detection of donor red cell abnormalities, Apr 254, Sept 643 (Letter); prevalence of cytomegalovirus antibodies in blood donors, Feb 103; surgical blood use analyzers: microcomputer program, May 324; utilization of autologous and directed donations in university hospital, Nov 763
Blood banking specialists: survey of education programs, July 500
Blood group ABO: computer-assisted implementation of maximum surgical blood order schedule, Jan 40; emergency blood transfusion protocols, Mar 166
Blood products: appropriateness of blood product ordering, Jan 15
Bone marrow: detection of *Brucella* sp from blood and bone marrow, Aug 567; new Giemsa stain for undecalcified bone marrow sections, Mar 172; posttransfusion detection of donor red cell abnormalities, Apr 254
Bone marrow transplantation: helpful buffy coat preparation procedure, Jan 53 (Letter)
Books reviewed: *Actions and Decisions: Concise Consultations for the Clinical Pathologist*, June 447; *Automated Blood Counts and Differentials*, July 520 (Letter); *Blood: Textbook of Hematology*, Apr 272; *Blood Group Systems: ABO and Lewis*, Mar 197; *Blood Group Systems: Rh*, Oct 711; *Bloodstream Infections: Laboratory Detection and Clinical Considerations*, Jan 59; *Blood Technologies, Services, and Issues*, Mar 195; *Brochoalveolar Lavage*, Sept 641; *Clinical Hematology and Fundamentals of Hemostasis*, Mar 196; *Current Scientific/Ethical Dilemmas in Blood Banking*, Nov 801; *Current Status of Hemapheresis: Indications, Technology, and Complications*, Oct 711; *Drug Testing in the Workplace*, Aug 584; *Ear, Nose and Throat Histopathology*, Sept 641; *Granulocyte Serology: A Clinical and Laboratory Guide*, July 512; *Guide to Clinical Laboratory Diagnosis*, Oct 711; *Introduction to Hematology*, Mar 196; *Intraoperative Pathologic Diagnosis—Frozen Section and Other Techniques*, July 513; *Lippincott's Illustrated Reviews: Biochemistry*, Apr 272; *Methods in Immunohematology*, July 513; *Monoclonal Antibodies in Clinical Diagnostic Medicine*, Apr 271; *Pathologic Diagnosis of Fungal Infections*, Apr 271; *Pediatric Clinical Chemistry Reference (Normal) Values*, Nov 801; *Pigmented Lesions of the Skin: Clinicopathologic Correlations*,

Mar 195; *Practical Endocrinology*, July 512; *Pulmonary Pathology*, June 447; *Renal Disease: Classification and Atlas of Infections and Tropical Diseases*, Aug 584; *Sickle-Cell Anemia and Thalassemia: A Primer for Health Care Professionals*, June 447; *Study Guide to Clinical Chemistry*, Sept 641
Brucella species: detection of *Brucella* sp from blood and bone marrow, Aug 567
Buffy coat preparation: helpful buffy coat preparation procedure, Jan 53 (Letter)

C

Cadmium chloride: cadmium chloride susceptibility of *Campylobacter* spp and *Pseudomonas* and *Aeromonas* spp, May 315
Campylobacter species: cadmium chloride susceptibility of *Campylobacter* spp and *Pseudomonas* and *Aeromonas* spp, May 315
Cancer: recombinant DNA analysis in clinical laboratory, Apr 258; *See also Oncology*
Cardiovascular disease: antiplatelet agents in arterial vascular disease, Oct 673; automated assay of LD-1, Aug 560; CK isoenzyme variants in electrophoresis, May 299; effects of cardiac and noncardiac surgery on peripheral blood cell counts and morphology, May 311
Case report: neonatal herpes infections, Jan 32
Centers for Disease Control: guidelines for prevention of transmission of human immunodeficiency virus and hepatitis B virus to health-care and public-safety workers, Nov 783
Centers for Disease Control/Health Care: Financing Administration (CDC/HCFA) rules performance of external quality control systems, June 428; proficiency testing in clinical chemistry: new look at an old problem, June 422
Cerebrovascular disease: antiplatelet agents in arterial vascular disease, Oct 673
Chain of custody: importance and requirements for clinical laboratory specimens, July 477
Chemotherapy: usefulness of gentamicin pharmacokinetics service in selected high-risk pediatric patients, Dec 843
CHEM-PRO software: development of PC-based expert system to aid in troubleshooting of clinical laboratory instrumentation, Mar 176
Cholera: 18th-century pathogen alive and well in the '80s, Feb 106
Clinical chemistry: automated assay of LD-1, Aug 560; CK isoenzyme variants in electrophoresis, May 305; cost reduction and increased productivity in clinical chemistry, Sept 628; effects of IV hydration on levels of hCG in serum and urine of women with possible ectopic pregnancy, Oct 701; enzyme immunoassay for urinary albumin at low concentrations, Aug 564; erythropoietin measurement by EIA, Dec 849; establishment and maintenance of a hospital glucose meter program, Feb 97; evaluation of the reliability of bedside glucose testing, Feb 93; higher serum alanine aminotransferase levels among Hispanics in a reference population, Apr 264; laboratory components of a maternal serum alpha-fetoprotein screening program, Nov 776; measurement of protein C activity on Multistat III Plus, July 484; new lactate dehydrogenase-IgM complexes, Sept 617; proficiency testing in clinical chemistry: new look at an old problem, June 422; usefulness of gentamicin pharmacokinetics service in selected high-risk pediatric patients, Dec 843
Clinical laboratory: beyond quality assurance: Committing to quality improvement, Apr 241; chain of custody: importance and requirements for clinical laboratory specimens, July 477; clinical laboratory manpower: labor-force participation and retention, Sept 632; determination of unit value for specimen processing activities, May 327; development of PC-based expert system to aid in troubleshooting of clinical laboratory instrumentation, Mar 176; HMO laboratory: preliminary investigation, Mar 183; most laboratory errors are system dependent—not people dependent, Feb 123; quality assurance: accreditation perspective, Mar 159; quality control in clinical laboratory: an individual perspective, June 385; quality control in the 1990s, June 375 (Editorial); recombinant DNA analysis in clinical laboratory, Apr 258; relational database information system for a small clinical laboratory, Aug 572; safety training in clinical laboratory, Apr 269 (POL Forum); suggestions for quality assurance routines in clinical hematology laboratory, Aug 556; total quality control: evaluation of quality management systems, June 377
Clinical laboratory personnel: AIDS and HIV infection, Mar 193 (Letter); beyond quality assurance: Committing to quality improvement, Apr 241; determination of unit value for specimen processjng activities, May 327; HMO laboratory: preliminary investigation, Mar 183; impact of AIDS on clinical laboratorians, Mar 187; quality assurance: accreditation perspective, Mar 159; *See also Cytotechnologists; Histologists; Medical laboratory technicians; Medical technologists; Pathologists*
Clinical microbiology. *See Microbiology*
Clinical pathology: humeral hypercalcemia of malignancy, Dec 827; *See also Forensic pathology*
Clostridium difficile testing, July 520 (Letter)
Coagulation: hypercoagulable states, Sept 611; methods for memorizing coagulation interactions, Feb 100
College of American Pathologists Laboratory Accreditation Program, Mar 159
Computer applications: compressed printing, Mar 193 (Letter) computer-assisted implementation of maximum surgical blood order schedule, Jan 40; delta checks for random error detection in hematology tests, June 410; development of PC-based expert system to aid in troubleshooting clinical laboratory instrumentation, Mar 176; relational database information system for a small clinical laboratory, Aug 572; surgical blood use analysis: a microcomputer program, May 324; *See also Microcomputer application/technology; Software*
Coulter DACOS: automated assay of LD-1, Aug 560
Coverslipping technique, Jan 35
Creatinine kinase (CK) isoenzymes: variants in electrophoresis, May 305
Cytology: lymphocyte subpopulations in "normal" lymph nodes harvested from cadavers, July 487
Cytomegalovirus (CMV): prevalence of cytomegalovirus antibodies in blood donors, Feb 103
Cytopathology: quality assurance in anatomic pathology, Feb 85
Cytotechnologists: survey of education programs, July 500; wages and vacancy survey of medical laboratory positions in 1988: Part I, May 332; wages and vacancy survey of medical laboratory positions in 1988: Part II, June 437

D

Delta checks: for random error detection in hematology tests, June 410
Diabetes: establishment and maintenance of a hospital glucose meter program, Feb 97; evaluation of the reliability of bedside glucose testing, Feb 93
Diaminobenzidine (DAB): immunohistochemical staining coupled with modified Prussian blue technique for iron, Aug 569
Dipsticks: evaluation of scoring system for leukocyte esterase-nitrite dipstick screening for urine culture, Oct 696; macroscopic screening urinalysis, Sept 623

E

Ectopic pregnancy: effects of IV hydration on levels of hCG in serum and urine of women with possible ectopic pregnancy, Oct 701
Education: clinical laboratory manpower: labor-force participation and retention, Sept 632; enrollment management in medical technology programs, July 496; impact of AIDS on clinical laboratorians, Mar 187; perceptions of medical technology deans and faculty regarding tenure criteria, Jan 44; scholarly productivity of medical technology faculty compared with other academic health center faculty, Feb 116, Oct 713 (Letter); survey of education programs, July 500; *See also Medical technology education*
Electrophoresis: CK isoenzyme variants in electrophoresis, May 299
ELISA (enzyme-linked immunosorbent assay): neonatal herpes infections: a case study, Jan 32; prevalence of cytomegalovirus antibodies in blood donors, Feb 103
Enzyme immunoassay (EIA) tests: enzyme immunoassay for urinary albumin at low concentrations, Aug 564; erythropoietin measurement by EIA Dec 849; laboratory components of a maternal serum alpha-fetoprotein screening program, Nov 776; prevalence of cytomegalovirus antibodies in blood donors, Feb 103
Epstein-Barr virus receptor, May 318
Erythrocytes: effects of cardiac and noncardiac surgery on peripheral blood cell counts and morphology, May 311; influence of reagent red cell zygosity of anti-Fy^a detection, Jan 37; posttransfusion detection of donor red cell abnormalities, Apr 254, Sept 643 (Letter); removal of leukocytes from donor units, Oct 685
Erythropoietin: erythropoietin measurement by EIA, Dec 849
Esophageal carcinoma: humeral hypercalcemia of malignancy, Dec 827
Ethylene hydrocuprein hydrochloride: a rapid two-disk screening method, Jan 19
Evidence: on being an expert witness, Aug 543; chain of custody: importance and requirements for clinical laboratory specimens, July 477; *See also Forensic pathology*
Exercise: effect of acute exercise on in vivo platelet release of beta-thromboglobulin and platelet factor 4 in women, Jan 28
Exophiala jeanselmei: isolation of, from light-green staining solution, Mar 163

Expert witness: guidelines for being, Aug 545

F

Fetal testing: calculation of alpha-fetoprotein multiple of the median for the detection of the neural tube defects in pregnancy, Sept 639; laboratory components of a maternal serum alpha-fetoprotein screening program, Nov 776
Fibrinolytic system: hypercoagulable states, Sept 611
Financial issues: beyond quality assurance: committing to quality improvement, Apr 241; cost reduction and increased productivity in clinical chemistry, Sept 628; determination of unit value for specimen processing activities, May 327; wages and vacancy survey of medical laboratory positions in 1988: Part I, May 332; wages and vacancy survey of medical laboratory positions in 1988: Part II, June 437
Flow cytometry: automated reticulocyte counting by image analysis and flow cytometry, Aug 551
Fluorescent treponemal antibody absorption (FTA-ABS) test, Jan 22
Forensic pathology: on being an expert witness, Aug 543; chain of custody: its importance and requirements for clinical laboratory specimens, July 477; forensic pathology for hospital pathologist: Part I, Apr 233; forensic pathology for the hospital pathologist: Part II, May 299; *See also Anatomic pathology*
FTA-ABS (fluorescent treponemal antibody absorption) test, Jan 22

G

Genetics: platelet disorders, Dec 831; recombinant DNA analysis in clinical laboratory, Apr 258
Giemsa stain: new, for undecalcified bone marrow sections, Mar 172
Glucose testing: establishment and maintenance of a hospital glucose meter program, Feb 97; evaluation of the reliability of bedside glucose testing, Feb 93, Sept 643 (Letter); most laboratory errors are system dependent—not people dependent, Feb 123
Glycol methacrylate: modification of an impregnation technique of use with glycol methacrylate, Feb 113
Group B streptococci: rapid detection of Group B streptococci in high-risk patients, Sept 620; streptococci rapid testing, Dec 863 (POL Forum)

H

HATTS (hemagglutination test for syphilis), Jan 22
Havoc rodenticide: fatal ingestion of a brodifacoum-containing rodenticide, Jan 22
Hazardous waste disposal: guidelines for infection control and hazardous waste disposal, June 445 (POL Forum)
Health-care workers: guidelines for prevention of transmission of human immunodeficiency virus and hepatitis B virus to health-care and public-safety workers, Nov 783
Health maintenance organization (HMO): HMO laboratory: preliminary investigation, Mar 183
Heelstick: development and evaluation of new instrument for safe heelstick sampling of neonates, July 481; venous sample collection from neonates using dorsal hand veins, Apr 248, Dec 865 (Letter)
Hemagglutination tests: an evaluation of two, as alternatives to FTA-ABS in otologic syphilis, Jan 22
Hematocrit: bedside glucose testing, Sept 643 (Letter)
Hematology: antiplatelet agents in arterial vascular disease, Oct 673; automated reticulocyte counting by image analysis and flow cytometry, Aug 551; bleeding time, Nov 759; delta checks for random error detection in hematology tests, June 410; effect of acute exercise on in vivo platelet release of beta-thromboglobulin and platelet factor 4 in women, Jan 28; effects of cardiac and noncardiac surgery on peripheral blood cell counts and morphology, May 311; fatal ingestion of a brodifacoum-containing rodenticide, Jan 25; hypercoagulable states, Sept 611; lymphocyte subpopulations in "normal" lymph nodes harvested from cadavers, July 487; methods for memorizing coagulation interactions, Feb 100; platelet disorders, Dec 831; suggestions for quality assurance routines in clinical hematology laboratory, Aug 556
Hematrak 590: automated reticulocyte counting by image analysis and flow cytometry, Aug 551
Hemoglobin: calculation of HbA1C, Aug 581
Heparin Cofactor II: hypercoagulable states, Sept 611
Hepatitis: exposure to needlestick injuries, Oct 709 (POL Forum); utilization of autologous and directed donations in university hospital, Nov 763
Hepatitis B: guidelines for prevention of transmission of human immunodeficiency virus and hepatitis B virus to health-care and public-safety workers, Nov 783
Hepatitis, non-A, non-B: higher serum alanine aminotransferase levels among Hispanics in a reference population, Apr 264; immediate alanine aminotransferase testing for donor screening: use of Reflotron on blood drives, Apr 251
Herpes simplex virus (HSV): neonatal herpes infections: a case study, Jan 32
Hispanics: higher serum alanine aminotransferase levels among Hispanics in a reference population, Apr 264
Histologic technicians: survey of education programs, July 500; wages and vacancy survey of medical laboratory positions in 1988: Part I, May 332; wages and vacancy survey of medical laboratory positions in 1988: Part II, June 437
Histology: immunohistochemical staining coupled with modified Prussian blue technique for iron, Aug 569; improved immunoperoxidase technique using horseradish peroxidase avidin D, Feb 109; modification of an impregnation technique of use with glycol methacrylate, Feb 113; new Giemsa stain for undecalcified bone marrow sections, Mar 172; permanent coverslipping technique, Jan 35; sulfation-hematoxylin-azure B as alternative to periodic acid-Schiff staining, July 494
HIV. *See Human immune deficiency virus*
HLA antibodies: harvesting from placentas, Mar 169
Horseradish peroxidase avidin D: improved immunoperoxidase technique using horseradish peroxidase avidin D, Feb 109
Human chorionic gonadotropin (hCG): effects of IV hydration on levels of, in serum and urine of women with possible ectopic pregnancy, Oct 701
Human immunodeficiency virus (HIV): AIDS and HIV infection, Mar 193 (Letter); exposure to needlestick injuries, Oct 709 (POL Forum); guidelines for prevention of transmission of human immunodeficiency virus and hepatitis B virus to health-care and public-safety workers, Nov 783; impact of AIDS on clinical laboratorians, Mar 187; utilization of autologous and directed donations in university hospital, Nov 763
Hypercalcemia: humeral hypercalcemia of malignancy, Dec 827
Hypercoagulation: hypercoagulable states, Sept 611

I

Immunofluorescent assay (IFA): neonatal herpes infections: a case study, Jan 32; prevalence of cytomegalovirus antibodies in blood donors, Feb 103
Immunoglobulins: new lactate dehydrogenase-IgM complexes, Sept 617
Immunohistochemistry: immunohistochemical staining coupled with modified Prussian blue technique for iron, Aug 569
Immunopathology: quality assurance in anatomic pathology, Feb 85
Immunoperoxidase assay: improved immunoperoxidase technique using horseradish peroxidase avidin D, Feb 109; neonatal herpes infections: a case study, Jan 32
Indirect hemagglutination assay (IHA): prevalence of cytomegalovirus antibodies in blood donors, Feb 103
Intravenous hydration: effects of IV hydration on levels of hCG in serum and urine of women with possible ectopic pregnancy, Oct 701
Iron: immunohistochemical staining coupled with modified Prussian blue technique for iron, Aug 569; posttransfusion detection of donor red cell abnormalities, Apr 254, Sept 643 (Letter)

J

Jamarii silver staining technique: modification of impregnation technique for use with glycol methacrylate, Feb 113
Joint Commission on Accreditation of Health Care Organizations (JCAHO), Mar 159; appropriateness of blood product ordering, Jan 15; beyond quality assurance: committing to quality improvement, Apr 241

L

Laboratory standards: laboratory procedure manual, Feb 125; most laboratory errors are system dependent—not people dependent, Feb 123; new instrumentation decisions, Feb 125
Laboratory techniques: cutting devise to provide uniform serial macrosections of tissue, Sept 637
Lactate dehydrogenase: new lactate dehydrogenase-IgM complexes, Sept 617
Lactate dehydrogenase isoenzyme number one (LD-1): automated assay of LD-1, Aug 560
Latex agglutination test: rapid detection of Group B streptococci in high-risk patients, Sept 620
Legal issues: on being an expert witness, Aug 543; clinical specimens as potential evidence, Nov 799 (POL Forum); guidelines for prevention of transmission of human immunodeficiency virus and hepatitis B virus to health-care and public-safety workers, Nov 783
Leukocyte esterase-nitrite urine screening: evaluation of scoring system for leukocyte esterase-ni-

trite dipstick screening for urine culture, Oct 696
Leukocytes: removal of leukocytes from donor units, Oct 685
Lowenstein-Jensen medium: for detection and rapid identification of mycobacteria, Oct 692
Lymphocytes: lymphocyte subpopulations in "normal" lymph nodes harvested from cadavers, July 487

M

Macroscopic physiochemical testing, May 341 (Letter)
Management: beyond quality assurance: Committing to quality improvement, Apr 241; clinical laboratory manpower: labor-force participation and retention, Sept 632; cost reduction and increased productivity in clinical chemistry, Sept 628; determination of unit value for specimen processing activities, May 327; HMO laboratory: preliminary investigation, Mar 183; laboratory career advancement program, Dec 840; total quality control: evaluation of quality management systems, June 377; wages and vacancy survey of medical laboratory positions in 1988: Part I, May 332; wages and vacancy survey of medical laboratory positions in 1988: Part II, June 437
Marion latex test: *Clostridium difficile* testing, July 520 (Letter)
Maximum surgical blood order schedule (MSBOS): computer-assisted implementation of, Jan 40; surgical blood use analysis: microcomputer program, May 324
Medical laboratory technicians: AIDS and HIV infection, Mar 193 (Letter); clinical laboratory manpower: labor-force participation and retention, Sept 632; survey of education programs, July 500; wages and vacancy survey of medical laboratory positions in 1988: Part I, May 332; wages and vacancy survey of medical laboratory positions in 1988: Part II, June 437
Medical technologists: AIDS and HIV infection, Mar 193 (Letter); being an expert witness, Aug 543; clinical laboratory manpower: labor-force participation and retention, Sept 632; enrollment management in medical technology programs, July 496; laboratory career advancement program, Dec 840; scholarly productivity of MT faculty, Oct 713 (Letter); wages and vacancy survey of medical laboratory positions in 1988: Part I, May 332; wages and vacancy survey of medical laboratory positions in 1988: Part II, June 437
Medical technology education: enrollment management in medical technology programs, July 496; laboratory career advancement program, Dec 840; perceptions of medical technology deans and faculty regarding tenure criteria, Jan 44; scholarly productivity of medical technology faculty compared with other academic health center faculty, Feb 116, Oct 713 (Letter); *See also Education*
MHA-TP (*Treponema palladum*): test, Jan 22
Microbiology: BACTEC radiometric system for detection and rapid identification of mycobacteria, Oct 692; cadmium chloride susceptibility of *Campylobacter* spp and *Pseudomonas* and *Aeromonas* spp, May 315; cholera: an 18th-century pathogen alive and well in the '80s, Feb 106; detection of *Brucella* sp from blood and bone marrow, Aug 567; evaluation of two hemagglutination tests as alternatives to FTA-ABS in otologic syphilis, Jan 22; identification and serotyping of *Salmonella typhi*, Nov 767; isolation of *Exophiala jeanselmei* from light-green staining solution, Mar 163; laboratory identification of *Rhodococcus equi* from patient with AIDS, July 491; pneumococci: a rapid two-disk screening method, Jan 19; rapid detection of Group B streptococci in high-risk patients, Sept 620; review of mycobacterial isolation in children, Oct 688
Microcomputer applications/technology: calculation of alpha-fetoprotein multiple of the median for the detection of the neural tube defects in pregnancy, Sept 639; calculation of HbA1C, Aug 581; database program for lab: PAGE, Oct 705; NEWDUNC: Multiple careful comparisons, July 506; surgical blood use analysis: a microcomputer program, May 324; *See also Computer applications; Software*
Microsample Coagulation Analyzer 110WP, Dec 860
Minorities: higher serum alanine aminotransferase levels among Hispanics in a reference population, Apr 264
Monoclonal antibodies: identification and serotyping of *Salmonella typhi*, Nov 767
MSBOS. *See Maximum surgical blood order schedule*
Multirule quality control procedures: implementation of, June 393; use of multirule control chart for quality control of PT and aPTT analyses, June 418
Multistage quality control procedures: implementation of, June 393
Multistate III Plus Micro Centrifugal Analyzer: measurement of protein C activity on Multistat III Plus, July 484
Mycobacteria species: for detection and rapid identification of mycobacteria, Oct 692; review of mycobacterial isolation in children, Oct 688

N

National Medical Laboratory Week: time to show off, Apr 231 (Editorial)
Neonatal care: development and evaluation of new instrument for safe heelstick sampling of neonates, July 481; neonatal herpes infections, Jan 32; rapid detection of Group B streptococci in high-risk patients, Sept 620; venous sample collection from neonates using dorsal hand veins, Apr 248, Dec 865 (Letter)
Neonatal herpes simplex (NHS) virus: neonatal herpes infections, Jan 32
NEWDUNC: Multiple careful comparisons, July 506
New instrumentation preview: Abbott IMx, Jan 47; Bio/Data Microsample Coagulation Analyzer, Dec 860

O

Oncology: Epstein-Barr virus receptor, May 318; humeral hypercalcemia of malignancy, Dec 827; recombinant DNA analysis in clinical laboratory, Apr 258; usefulness of gentamicin pharmacokinetics service in selected high-risk pediatric patients, Dec 843
Ortho Spectrum: automated reticulocyte counting by image analysis and flow cytometry, Aug 551

P

Papanicolaou smear: neonatal herpes infections: a case study, Jan 32
Passive latex agglutination (LA): identification and serotyping of *Salmonella typhi*, Nov 767; prevalence of cytomegalovirus antibodies in blood donors, Feb 103
Pathologists: being an expert witness, Aug 543; forensic pathology for hospital pathologists: Part I, Apr 233; forensic pathology for the hospital pathologist: Part II, May 299
Pathology. *See Anatomic pathology; Forensic pathology*
Pediatrics: posttransfusion detection of donor red cell abnormalities, Apr 254; review of mycobacterial isolation in children, Oct 688; usefulness of gentamicin pharmacokinetics service in selected high-risk pediatric patients, Dec 843; *See also Neonatal care*
Periodic acid-Schiff staining: sulfation-hematoxylin-azure B as alternative to periodic acid-Schiff staining, July 494
Phlebotomists: wages and vacancy survey of medical laboratory positions in 1988: Part I, May 332; wages and vacancy survey of medical laboratory positions in 1988: Part II, June 437
Phlebotomy: development and evaluation of new instrument for safe heelstick sampling of neonates, July 481; phlebotomy in community teaching hospital, Nov 772; venous sample collection from neonates using dorsal hand veins, Apr 248, Dec 865 (Letter)
Photography competition, Oct 724
Physicians' office laboratories (POLs): federal and state regulations and the physician's office laboratory, July 516 (POL Forum); laboratory procedure manual, Feb 125; licensing by public health department, July 516 (POL Forum); proficiency testing, Jan 51; pursuit of quality testing in physician office laboratory, June 432
Plasminogen: hypercoagulable states, Sept 611
Platelet factor 4: effect of acute exercise on in vivo platelet release of beta-thromboglobulin and platelet factor 4 in women, Jan 28
Platelets: antiplatelet agents in arterial vascular disease, Oct 673; bleeding time, Nov 759; delta checks for random error detection in hematology tests, June 410; effect of acute exercise on in vivo platelet release of beta-thromboglobulin and platelet factor 4 in women, Jan 28; effects of cardiac and noncardiac surgery on peripheral blood cell counts and morphology, May 311; platelet disorders, Dec 831
Pneumococci: a rapid two-disk screening method, Jan 19
Pneumocystis carinii: detection of *Pneumocystis carinii* infection, Oct 714 (Letter)
POLs. *See Physicians' office laboratories*
Pregnancy: calculation of alpha-fetoprotein multiple of the median for the detection of the neural tube defects in pregnancy, Sept 639; effects of IV hydration on levels of hCG in serum and urine of women with possible ectopic pregnancy, Oct 701; laboratory components of a maternal serum alpha-fetoprotein screening program, Nov 776; *See also Neonatal care*
Proficiency testing, Jan 51 (POL Forum); in clinical chemistry: new look at an old problem, June 422; performance of external quality control systems, June 428
Protein C: hypercoagulable states, Sept 611; measurement of protein C activity on Multistat III Plus, July 484
Prothrombin time (PT): use of multirule control chart for quality con-

trol of PT and aPTT analyses, June 418
Prussian blue stain: immunohistochemical staining coupled with modified Prussian blue technique for iron, Aug 569
Pseudomonas species: cadmium chloride susceptibility of *Campylobacter* spp and *Pseudomonas* and *Aeromonas* spp, May 315

Q

Quality assurance: accreditation perspective, Mar 159; in anatomic pathology, Feb 85, Sept 643 (Letter); appropriateness of blood product ordering, Jan 15; beyond quality assurance: Committing to quality improvement, Apr 241; establishment and maintenance of a hospital glucose meter program, Feb 97; most laboratory errors are system dependent—not people dependent, Feb 123; proficiency testing, Jan 51; suggestions for quality assurance routines in clinical hematology laboratory, Aug 556
Quality control: accreditation perspective, Mar 159; approach to use of clinical limits for quality control, June 406; in the clinical laboratory: an individual perspective, June 385; considerations for the implementation of clinically derived quality control procedures, June 400; delta checks for random error detection in hematology tests, June 410; implementation of multirule quality control procedures, June 393; performance characteristics of quality control systems, June 388; performance of external quality control systems, June 428; proficiency testing in clinical chemistry: new look at an old problem, June 422; pursuit of quality testing in physician office laboratory, June 432; quality control in the 1990s, June 375 (Editorial); total quality control: evolution of quality management systems, June 377; use of multirule control chart for quality control of PT and aPTT analyses, June 418

R

Radioimmunoassay tests: laboratory components of a maternal serum alpha-fetoprotein screening program, Nov 776
Recombinant DNA: analysis in clinical laboratory, April 258
Red blood cells. *See Erythrocytes*
Reference laboratories: investigation of, June 445 (POL Forum)
Reflotron: immediate alanine aminotransferase testing for donor screening: use of Reflotron on blood drives, Apr 251
Rh blood group: computer-assisted implementation of maximum surgical blood order schedule, Jan 40; emergency blood transfusion protocols, Mar 166
Rhodococcus equi: laboratory identification of *Rhodococcus equi* from a patient with AIDS, July 491
Rodenticide: fatal ingestion of a brodifacoum-containing rodenticide, Jan 25

S

Safety: AIDS and HIV infection, Mar 193 (Letter); exposure to needlestick injuries, Oct 709 (POL Forum); guidelines for infection control and hazardous waste disposal, June 445 (POL Forum); guidelines for prevention of transmission of human immunodeficiency virus and hepatitis B virus to health-care and public-safety workers, Nov 783; hazardous isolates, Feb 133 (Letter); hospital collection of blood, July 518 (Letter); impact of AIDS on clinical laboratorians, Mar 187; laboratorians want "caution" labels on AIDS specimens, Dec 855; legal jargon, Mar 193 (Letter); sterilization of laboratory waste, Feb 134; training in the laboratory, Apr 269 (POL Forum); universal precautions are necessary, Dec 857; utilization of autologous and directed donations in university hospital, Nov 763
Salmonella typhi : identification and serotyping of *Salmonella typhi*, Nov 767
Salmonella enteriditis: hazardous isolates, Feb 133 (Letter)
Sexually transmitted diseases: utilization of autologous and directed donations in university hospital, Nov 763
Silver impregnation staining techniques: modification of an impregnation technique of use with glycol methacrylate, Feb 113
Software: database program for lab: PAGE, Oct 705; development of PC-based expert system to aid in troubleshooting of clinical laboratory instrumentation, Mar 176; surgical blood use analysis: a microcomputer program, May 324; *See also Computer applications; Microcomputer applications/technology*
Solid-phase fluorescence immunoassay (SFI): prevalence of cytomegalovirus antibodies in blood donors, Feb 103
Specimen processing: determination of unit value for specimen processing activities, May 327
Specimen procurement: quality assurance in anatomic pathology, Feb 85
Streptococcus agalactiae (group B *Streptococcus*): rapid detection of Group B streptococci in high-risk patients, Sept 620; streptococci rapid testing, Dec 863 (POL Forum)
Substance abuse testing: clinical specimens as potential evidence, Nov 799 (POL Forum)
Sulfamethoxazole-trimethoprim: a rapid two-disk screening method, Jan 19
Sulfation-hematoxylin-azure B staining: as alternative to periodic acid-Schiff staining, July 494
Surgery: computer-assisted implementation of maximum surgical blood order schedule, Jan 40; effects of cardiac and noncardiac surgery on peripheral blood cell counts and morphology, May 311; surgical blood use analysis: a microcomputer program, May 324
Surgical pathology: optimal use of frozen section, Dec 836; quality assurance in anatomic pathology, Feb 85
Syphilis: evaluation of two hemagglutination tests as alternatives to FTA-ABS in otologic syphilis, Jan 22

T

Thromboembolic disorders: hypercoagulable states, Sept 611; platelet disorders, Dec 831
Thrombosis: antiplatelet agents in arterial vascular disease, Oct 673; hypercoagulable states, Sept 611
Toluidine blue O solution: detection of *Pneumocystis carinii* infection, Oct 714 (Letter)
Transfusion medicine: appropriateness of blood product ordering, Jan 15; autoanti-jk^a associated with hemolysis after transfusion with jk(a+) red cells, Oct 682; computer-assisted implementation of maximum surgical blood order schedule, Jan 40; emergency blood transfusion protocols, Mar 166; harvesting HLA antibodies from placentas, Mar 169; hospital collection of blood, July 518 (Letter); immediate alanine aminotransferase testing for donor screening: use of Reflotron on blood drives, Apr 251; influence of reagent red cell zygosity of anti-Fy^a detection, Jan 37; methods for memorizing coagulation interactions, Feb 100; posttransfusion detection of donor red cell abnormalities, Apr 254, Sept 643 (Letter); prevalence of cytomegalovirus antibodies in blood donors, Feb 103; removal of leukocytes from donor units, Oct 685; surgical blood use analysis: a microcomputer program, May 324; utilization of autologous and directed donations in university hospital, Nov 763
Transfusion service: appropriateness of blood product ordering, Jan 15
Transparencies: improving production of 35-mm, Jan 53 (Letter)
Treponema palladum (MHA-TP) test, Jan 22
Tzanck smear: neonatal herpes infections: a case study, Jan 32

U

Urinalysis: automated methods of specimen processing, Dec 865 (Letter); effects of IV hydration on levels of hCG in serum and urine of women with possible ectopic pregnancy, Oct 701; enzyme immunoassay for urinary albumin at low concentrations, Aug 564; evaluation of scoring system for leukocyte esterase-nitrite dipstick screening for urine culture, Oct 696; macroscopic physicochemical testing, May 341 (Letter); macroscopic screening urinalysis, Sept 623; prevalence of intensity-dependent sensitivity, Oct 713 (Letter)

V

Vibrio cholerae: 18th-century pathogen alive and well in the '80s, Feb 106
Viewpoint: most laboratory errors are system dependent—not people dependent, Feb 123; universal precautions are necessary, Dec 857
Virology: Epstein-Barr virus receptor, May 318
Vitamin K: measurement of protein C activity on Multistat III Plus, July 485; methods for memorizing coagulation interations, Feb 100

W

White blood cells. *See Leukocytes*